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May 7, 2004

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

lc@lahive.com

Re:

U.S. Patent Application No.: 10/689824

For: METHOD AND APPARATUS FOR MAKING A HYPERMEDIUM

INTERACTIVE

Inventors: MUIR, Jeff et al. Filed: October 20, 2003 Our Ref. No.: CXT-006CN3

Dear Sir:

I enclose herewith for filing in the above-identified application the following:

- 1. Information Disclosure Statement;
- 2. PTO Form SB/08:
- 3. A Return Postcard.

No additional costs are believed to be due in connection with the filing of this Information Disclosure Statement. However, please charge any necessary fees in connection with the enclosed statement to our Deposit Order Account No. 12-0080. For this purpose, a duplicate of this sheet is attached.

I hereby certify that this correspondence is deposited with the United States Postal Service as first class mail in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on:

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John D. Lanza Esq. Red No. 40.06

Respectfully submitted,

LAHIVE & COCKFIELD, LLP

John L. Lanza, Es

Registration No. 40,060 Attorney for Applicants



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: MUIR, Jeff et al.

Serial No.: 10/689824

Filed: October 20, 2003

For: METHOD AND APPARATUS FOR MAKING A

HYPERMEDIUM INTERACTIVE

Attorney Docket No.: CXT-006CN3

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Group Art Unit: 2171

Examiner: Not Yet Assigned

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By:

John D. Lanza, Esq. Registration No. 40,060

Attorney for Applicants

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

For the Examiner's convenience in reviewing this continuation application, Applicants submit a consolidated PTO Form SB/08, listing all references cited during the prosecution of the parent application. The present application is a Continuation-in-Part of U.S. Serial No. 10/068790, filed February 6, 2002 (Atty. Docket No. CXT-006CN2). All references listed on the enclosed PTO Form SB/08 have been previously cited by or submitted to the Office in the prior application, and, in accordance with 37 CFR §1.98(d), copies of the references are not enclosed but will be provided upon request.

Serial Number: 10/689824 Page -2- Group Art Unit/Filing Date: 2171

This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Moreover, Applicants understand that the Examiner will make an independent evaluation of the cited publications.

Under 37 CFR § 1.97(b)(3), no additional costs are believed to be due in connection with the filing of this disclosure. <u>If, however, a first Office Action on the merits issues in this application bearing a mailing date prior to the date of this Information Disclosure Statement</u>, please charge the appropriate fee as required under 37 CFR §1.17(p) to our Deposit Order Account No. 12-0080.

Respectfully submitted, LAHIVE & COCKFIELD, LLP

John D. Lanza, Esq. Registration No. 40,060 Attorney for Applicants

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Date: May 7, 2004

JDL/krj Enclosures



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Complete if Known Substitute for form 1449A/B/PTO Application Number 10/689824 INFORMATION DISCLOSURE October 20, 2003 Filing Date STATEMENT BY APPLICANT First Named Inventor MUIR, Jeff Art Unit 2171 (Use as many sheets as necessary) Examiner Name Not Yet Assigned Sheet 1 of 4 Attorney Docket Number **CXT-006CN3**

| | | | U.S. PA | TENT DOCUMENTS | |
|-----------------------|--------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No.1 | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | A1 | 4,499,499 | | Brickman et al. | |
| | A2 | 4,887,204 | 12-12-1989 | Johnson et al. | |
| | A3 | 4,937,784 | 06-26-1990 | Masai et al. | |
| | A4 | 5,014,221 | 05-07-1991 | Mogul | |
| | A5 | 5,031,089 | 07-09-1991 | Liu et al. | |
| | A6 | 5,175,852 | | Johnson et al. | |
| | A7 | 5,202,971 | 04-13-1993 | Henson et al. | |
| | A8 | 5,233,701 | 08-03-1993 | Nakata | |
| | A9 | 5,249,290 | 09-28-1993 | Heizer | |
| | A10 | 5,297,249 | 03-22-1994 | Bernstein et al. | |
| | A11 | 5,325,527 | 06-28-1994 | Cwikowski et al. | |
| | | 5,329,619 | 07-12-1994 | Page et al. | |
| | A13 | 5,341,477 | 08-23-1994 | | |
| | A14 | 5,341,478 | 08-23-1994 | Travis, Jr. et al. | |
| | A15 | 5,367,688 | 11-22-1994 | Croll | |
| | A16 | 5,414,457 | 05-09-1995 | Kadowaki et al. | |
| | A17 | 5,473,599 | 12-05-1995 | Li et al. | |
| | A18 | 5,485,460 | 01-16-1996 | | |
| | | 5,499,343 | 03-12-1996 | | |
| | A20 | 5,515,508 | 05-07-1996 | | |
| | A21 | 5,526,492 | 06-11-1996 | Ishida | |
| | | 5,530,852 | | Meske, Jr. et al. | |
| | | 5,537,546 | 07-16-1996 | | *** |
| | | 5,548,726 | 08-20-1996 | | - |
| | | 5,553,242 | | Russell et al. | • |
| | | 5,557,732 | 09-17-1996 | | |
| | A27 | 5,557,748 | 09-17-1996 | | |
| | A28 | 5,561,769 | 10-01-1996 | | · · · · · · · · · · · · · · · · · · · |
| | | 5,572,643 | 11-05-1996 | | |
| | | 5,572,674 | 11-05-1996 | | |
| | | 5,577,188 | | Zhu | |
| | | 5,579,469 | | Pike | |
| | | 5,583,992 | | Kudo | |
| | | 5,596,745 | | Lai et al. | |
| | | 5,606,493 | | Duscher et al. | |
| | | 5,623,603 | | Jiang et al. | |
| | | 5,623,656 | | Lyons | |
| <u> </u> | | 5,644,720 | | Boll et al. | |
| | | 5,657,390 | | Elgamal <i>et al</i> . | - |

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PTO/SB/08a/b (08-03)
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| Sheet | 2 | of | 4 | Attorney Docket Number | CXT-006CN3 | |

| | U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|---|--|--|
| Examiner Initials* | Cite No.1 | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | | |
| | A40 | 5,680,549 | | Raynak et al. | | | |
| | A41 | 5,701,451 | 12-23-1997 | Rogers et al. | | | |
| | A42 | 5,706,437 | 11-06-1998 | Kirchner et al. | | | |
| | | 5,710,918 | | Lagarde et al. | | | |
| | | 5,721,876 | 02-24-1998 | Yu et al. | | | |
| | | 5,734,865 | 03-31-1998 | Yu | | | |
| | A46 | 5,754,830 | 05-19-1998 | Butts et al. | | | |
| | | 5,761,507 | 06-02-1998 | Govett | | | |
| | A48 | 5,761,656 | 06-02-1998 | Ben-Shachar. | | | |
| | A49 | 5,764,908 | 06-09-1998 | Shoji <i>et al</i> . | | | |
| | A50 | 5,764,915 | 06-09-1998 | Heimsoth et al. | | | |
| | A51 | 5,802,258 | 09-01-1998 | Chen | | | |
| | A52 | 5,802,306 | 09-01-1998 | Hunt | | | |
| | A53 | 5,812,784 | 09-22-1998 | Watson et al. | | | |
| | A54 | 5,826,027 | 10-20-1998 | Pedersen et al. | | | |
| | A55 | 5,828,840 | 10-27-1998 | | | | |
| | A56 | 5,838,906 | 11-17-1998 | Doyle et al. | | | |
| | A57 | 5,838,910 | | Domenikos et al. | | | |
| | A58 | 5,838,916 | 11-17-1998 | Domenikos et al. | | | |
| | A59 | 5,872,973 | 02-16-1999 | Mitchell et al. | | | |
| | A60 | 5,938,733 | 08-17-1999 | Heimsoth et al. | | | |
| | A61 | 5,941,949 | 08-24-1999 | Pedersen | | | |
| | A62 | 5,941,988 | 08-24-1999 | Bhagwat <i>et al</i> . | | | |
| | A63 | 5,951,694 | | Choquier et al. | | | |
| | A64 | 5,961,586 | 10-05-1999 | Pedersen | | | |
| | A65 | 5,978,848 | 11-02-1999 | Maddalozzo, Jr. et al. | | | |
| | A66 | 6,088,515 | 07-11-2000 | Muir et al. | | | |
| | A67 | 6,108,715 | 08-22-2000 | Leach et al. | | | |
| | | 6,157,944 | 12-05-2000 | Pedersen | | | |
| | A69 | 6,167,432 | 12-26-2000 | Jiang | | | |
| | A70 | 6,289,461 B1 | 09-11-2001 | Dixon | | | |
| | A71 | 6,338,086 B1 | | Curtis et al. | | | |
| | A72 | 6,370,570 B1 | 04-09-2002 | Muir et al. | | | |
| | A73 | US 2001/0056547 | | Dixon | | | |
| | A74 | US 2002/0035451 | 03-21-2002 | Rothermel | | | |
| | A75 | US 2002/0052932 | 05-02-2002 | Curtis et al. | | | |

| Signature Considered | Examiner | Date |
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| | Signature | |

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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| | FOREIGN PATENT DOCUMENTS | | | | | | | | |
|-----------|--------------------------|---|---------------------|-------------------------------|---|------------|--|--|--|
| Examiner | Cite | Foreign Patent Document | Publication Date | Name of Patentee or | Pages, Columns, Lines, Where Relevant Passages | ⊤ 6 | | | |
| Initials* | No.1 | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | MM-DD-YYYY | Applicant of Cited Document | or Relevant Figures Appear | | | | |
| | B1 | EP 0381645 A2 | 08-08-1990 | International Business | | Г | | | |
| | <u> </u> | LI 0001043 AZ | | Machines | | | | | |
| | B2 | EP 0384339 B1 | 04-02-1997 | Digital Equipment Corporation | | | | | |
| | ВЗ | EP 0483576 B1 | 01-07-1998 | International Business | | | | | |
| | ļ | LI 0403370 B1 | <u> </u> | Machines | | | | | |
| | B4 | EP 0540151 B1 | 11-25-1998 | International Business | | | | | |
| | <u> </u> | 21 0040101 81 | | Machines | | | | | |
| | B5 | EP 0648038 A2 | 04-12-1995 | International Business | | | | | |
| | | 21 00 10000 7 12 | | Machines | | | | | |
| | B6 | EP 0732834 B1 | 01-08-2003 | Sun Microsystems, Inc. | | | | | |
| <u> </u> | B7 | JP 06332782 | 12-02-1994 | Hitachi Ltd. | | | | | |
| | B8 | WO 98/52320 A2 | 11-19-1998 | Citrix Systems, Inc. | | | | | |
| | B9 | WO 98/52344 A1 | 11-19-1998 | Telefonaktiebolaget LM | | | | | |

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| | | NON PATENT LITERATURE DOCUMENTS | |
|----------------------|--------------------------|---|----------------|
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| | C1 | "Allocation of Equivalent Communication Buffer Sizes in SQLJRA Remote Protocol," <i>IBM Technical Disclosure Bulletin</i> , vol; 36, No. 1, pp. 29-31, (Jan., 1993). | |
| | C2 | "OS/2 EE Database manager SQLJRA Remote Protocol," <i>IBM Technical Disclosure Bulletin</i> , vol. 36, No. 1, pp. 33-36, (Jan., 1993). | |
| | C3_ | A. Singleton; Byte; "Wired On The Web"; 21 No. 1:77-80 (Jan. 1, 1996). | |
| | C4 | Adler, Richard M. "Distributed Coordination Models for Client/Server Computing," <i>Computer Magazine</i> , pp. 14-22, (Apr., 1995). | |
| | C5 | Branwyn, Gareth "MOSAIC: Quick Tour for Windows", Ventana Press, pp. 5-7, 57, 124-126, 61-64, 91-104, and 124-126, 1994. | |
| | C6 | Droms, R. "Dynamic Host Configuration Protocol," Network Working Group Request for Comments: 1541, pp. 1-39, (Oct., 1993). | |
| | C7 | Hoff, A. "Java and Internet Programming", <i>Dr. Dobb's Journal</i> , pp. 56, 58, 60-61 and 101-102, Aug., 1995. | |
| | C8 | Holtzman, Jeff. "Merge 386: Run Unix and DOS together on an 80386," Byte, pp. cover, 207-208, 211-212, (Dec., 1988). | |

Date Considered

Examiner

Signature

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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| | | NON PATENT LITERATURE DOCUMENTS | |
|----------------------|--------------------------|---|----|
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| | C9 | J.M. Chu et al.; Behavior Research Methods, Instruments & Computers; "Creating a Hypertext Markup Language Documents for an Information Server", 27, No. 2:200-205 (Jan. 1, 1995). | |
| | C10 | Jellinek, Herb. "The Animator Applet (1.0.2)example 1," http://199.185.96.71/java/Animator/example.html, printed Jun. 1, 1999. | |
| | C11 | Mann, Bruce E. et al. "Terminal Servers on Ethernet Local Area Networks," <i>Digital Technical Journal</i> , No. 3, pp. 73-87, (Sep., 1986). | |
| | C12 | P. Davis; Database; "An Interactive Hypermedia Map Viewer"; 18, No. 2:65-67 (Apr./May, 1995). | |
| | C13 | S. Putz, "Interactive information services using world-wide web hypertext," Computer Networks & ISDN Systems, Elsevier Science B.V., 27, p. 273-280, 1994. | |
| | C14 | Schemers, III, R.J. "Ibnamed: a load balancing name server written in PerlUpdate," http://www-leland.stanford.edu/.about.docs/ibnanmed/ibnamed.html, pp. 1-5, (Sep. 17. 1995). | |
| | C15 | T. Tessier; Dr. Dobb's Journal; "Using Javascript to Create Interactive Web Pages A Cross-Platform Object Scripting Language", 21, No. 3:84-97 (Mar. 1, 1996). | |
| | C16 | Tanenbaum, Andrew S. "Networking in Unix," Computer Networks, pp. 434-435, (1989). | |
| | C17 | Windows NT Networking Guide: Microsoft Windows NT Resource Kit, pp. 79-87, (1995). | |

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